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(54) AQUEOUS DISPERSANT FOR SILICA FINE POWDER

(57)Abstract:

PURPOSE: To prepare a high concn. and low viscosity aqueous slurry of a silica fine powder by enhancing the dispersibility of the silica fine powder in an aqueous liquid, by preparing the aqueous dispersant for the silica fine powder from polyalkylene polyamine and/or a derivative thereof.

CONSTITUTION: An aqueous dispersant for a silica fine powder is prepared by dispersing polyalkylene polyamine and/or a derivative thereon in water. As polyalkylene polyamine, for example, there is polyalkylene imine being a copolymer of polyethylene and ethylene imine or propylene imine and, in this case, polyethylene imine with average MW of 500W500,000 is suitable. As the polyalkylene polyamine derivative, there are polyamide polyamine, polyurea polyamine, etc. The use quantity of the dispersant is pref. 1pt. or more by wt. of 100pts. of the silica fine powder.

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